AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A method of constructing a representation of the geographical distribution of traffic for a cellular radio network, the method comprising the steps of:

dividing each cell of said cellular network into a set of areas using information on handovers boundaries obtained from said cellular network;

determining a traffic value for each of said areas; and

determining a representation of the geographical distribution of the traffic from said traffic values,

wherein the traffic value of an area depends on an outgoing handover probability (α_1, α_2) from said area to a neighboring cell.

2. (canceled).

3. (currently amended): A method according to claim 1 ~~2~~, wherein said handover probabilities are computed conjointly with said traffic values by a constraint optimization method.

4. (original): A method according to claim 1, wherein the step of dividing each cell is made up of the following substeps:

acquiring incoming handover boundaries from best server maps provided by a management system, and

computing outgoing handover boundaries from said incoming handover boundaries,

said outgoing handover boundaries forming the boundaries of said areas.

5. (currently amended): A method according to claim 1, wherein the following ~~equation~~ constraint is satisfied for each cell: $\left[\left[\sum_{k \in J(i)} \lambda_k = t_i\right]\right]$ ~~such that J(i) is the set of indices of the areas belonging to~~ addition of all the traffic values (λ_k) of the areas (A_k) comprised in a cell (i) ~~and~~ is equal to ~~(t_i),~~ ~~is~~ the traffic value ~~for~~ of the cell (i).

6. (new): A method according to claim 1, wherein a distinction is made between two types of areas contained in a cell C_i:

areas near a cell C_i, for which the probability a_1 that a call will be subject to an outgoing handover is relatively high,

other areas of the cell C_i, for which the probability a_2 that a call will be subject to an outgoing handover is relatively low.

7. (new): A planning device for constructing a representation of the geographical distribution of traffic for a cellular radio network, the device comprising:

a dividing module dividing each cell of said cellular network into a set of areas using information on handovers boundaries obtained from said cellular network;

a first determining module determining a traffic value for each of said areas; and

a second determining module determining a representation of the geographical distribution of the traffic from said traffic values,

wherein the traffic value of an area depends on an outgoing handover probability (α_1, α_2) from said area to a neighboring cell.